

OXY USA Inc
Chris Robin 20 Federal 6
Sundry Information

OPERATOR NAME / NUMBER: OXY USA WTP LP

LEASE NAME / NUMBER: Chris Robin 20 Federal 6

STATE: NM **COUNTY:** Eddy

SURFACE LOCATION: 1860' FNL & 570' FEL, Sec 20, T17S, R28E

C-102 PLAT APPROX GR ELEV: 3619'

EST KB ELEV: 3633' (14' KB)

1. SUMMARY OF CHANGES:

- a. Based on historic wells drilled in this area, the surface and production cement volumes have been adjusted. This will allow us to cut down on the excess cement having to be hauled off and exposed of.
- b. We will only run the 100 sks of lead thixotropic cement if losses occur while drilling the surface section.
- c. If a caliper log is run, cement volumes will be adjusted to caliper volume + 35% excess for the production hole.
- d. The corrected choke manifold and bop schematic can be found below. Oxy requests a variance to use the corrected choke manifold and bop.

2. CEMENT PROGRAM CHANGE:

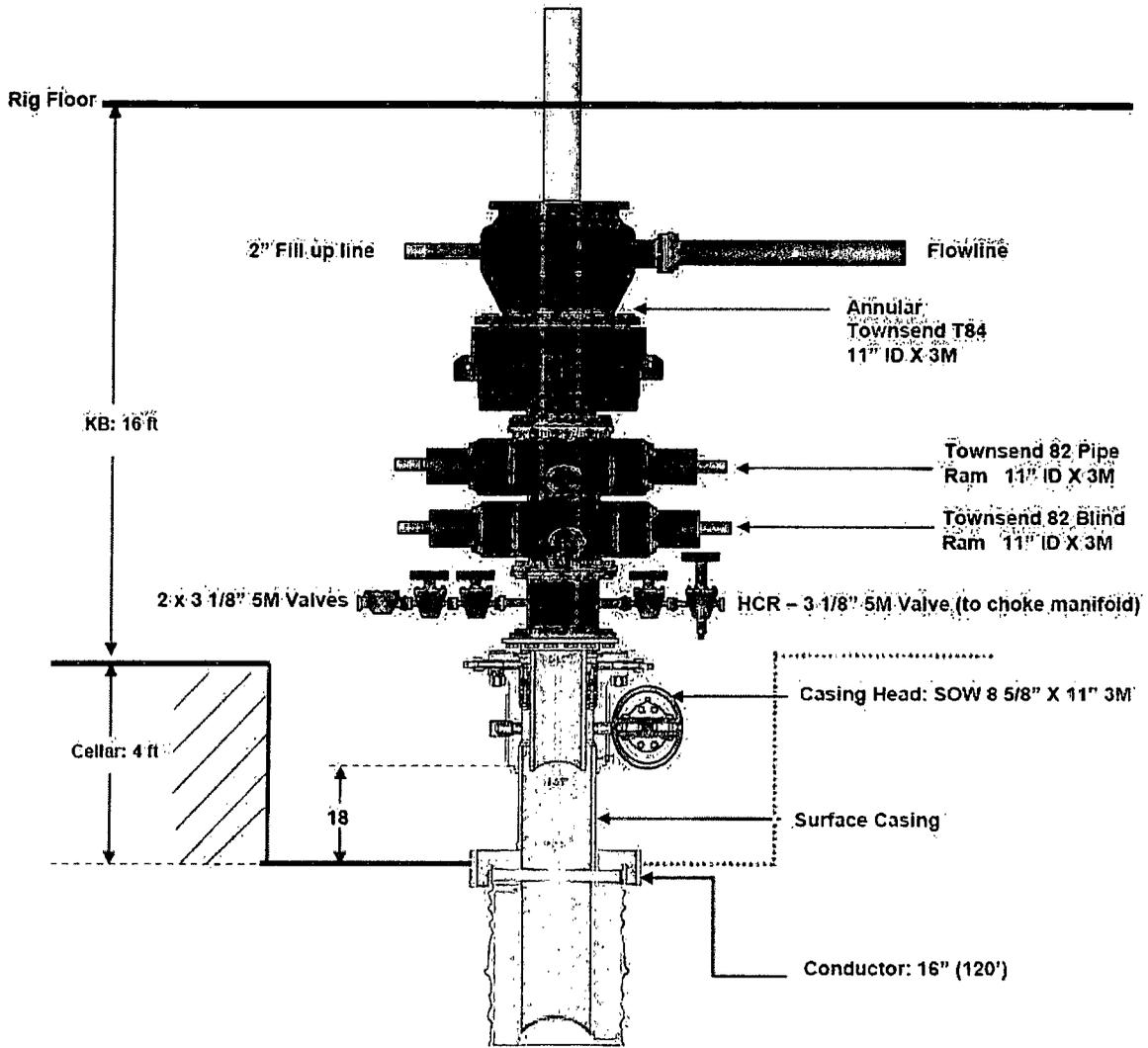
Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Surface (TOC: 0' - 400')							
Lead: 0' - 450' (165% Excess)	100	0' (Contingency Slurry if losses are present)	Premium Plus Cement: 10 lbm/sk Cal-Seal 60, 0.125 lbm/sk Poly-E-Flake, 10 lbm/sk Kol-Seal, 1 % Calcium Chloride - Flake	7.46	14.2	1.67	1290 psi
Tail: 0' - 450' (165% Excess)	300	450'	Premium Plus Cement: 1 % Calcium Chloride - Flake	6.36	14.8	1.34	1608 psi

Production Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Production (TOC: 0' - 5300')							
Lead: 0' - 3000' (120 % Excess)	600	3000'	Halliburton Light Premium Plus: 5% Salt, 3 lbm/sk Kol-Seal, 0.125 lb/sx Poly-E-Flake, 0.35% HR-800	9.69	12.9	1.87	660 psi
Tail: 3000' - 5300' (120 % Excess)	575	2300'	Premium Plus Cement: 0.5% Halad @-344, 0.2% WellLife 734, 5 lbm/sk Microbond, 0.3% Econolite, 0.3% CFR-3	7.72	14.2	1.55	1914 psi

BOP Diagram



3M CHOKE MANIFOLD CONFIGURATION

